

CLAIMS:

1. A method for communicating information, the method comprising:
 - obtaining a first signal;
 - obtaining a second signal, comprising multiplying each of a value or values of
 - 5 an initial portion of the first signal by a number, and multiplying each of a value or values of
 - a symbol tail portion of the first signal by a number, such that each corresponding pair of
 - initial portion and symbol tail portion values are multiplied by a first number and a second
 - number, respectively, and wherein, for each corresponding pair of initial portion and symbol
 - tail portion values, a sum of the first number and the second number is equal to one; and
 - 10 upon or after reception of the second signal, obtaining a third signal from the
 - received second signal, the third signal being used in obtaining information, wherein
 - obtaining each of an initial portion and a tail portion of the third signal comprises adding
 - together at least a portion of each of an initial portion and a symbol tail portion of the second
 - signal.
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2. The method of claim 1, comprising, due to a multi-path effect, receiving the second
- signal as a combination of several of the second signal, at least two of the several being
- staggered in time with respect to each other.
- 20 3. A method for communicating information, the method comprising:
 - obtaining a first signal;
 - obtaining a second signal by halving values of an initial portion and a tail
 - portion of the first signal, and adding zeros following the tail portion; and
 - upon or after reception of the second signal, obtaining a third signal from the
 - 25 received second signal, the third signal being used in obtaining information, wherein

obtaining each of an initial portion and a tail portion of the third signal comprises adding together at least a portion of each of an initial portion and a tail portion of the second signal.

4. The method of claim 3, comprising, due to a multi-path effect, receiving the second
5 signal as a combination of several of the second signal, at least two of the several being staggered in time with respect to each other.

5. A method for communicating information, the method comprising:
- obtaining a first signal that comprises an Inverse Fast Fourier Transform
10 output signal;
- obtaining a second signal for transmission using OFDM, by halving values of an initial portion and a tail portion of the first signal, and adding zeros following the tail portion;
- upon or after reception of the second signal, obtaining a third signal from the
15 received second signal, wherein obtaining each of an initial portion and a tail portion of the third signal comprises adding together at least a portion of each of an initial portion and a tail portion of the second signal; and
- processing at least a portion of the third signal to obtain information.

- 20 6. The method of claim 5, comprising, due to a multi-path effect, receiving the second signal as a combination of several of the second signal, at least two of the several being staggered in time with respect to each other.

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